CLAIMS:

1. A luminaire comprising:

a reflector with a light emission window which is defined by a window edge of the luminaire;

contact means for accommodating at least a first and a second electric lamp;

a concave counter reflector positioned opposite the concave reflector at an opposite side of the contact means with respect to the concave reflector, said counter reflector facing the concave reflector with a counter light emission window situated in a plane T, which counter light emission window is defined by an edge of the counter reflector, characterized in that the luminaire is provided with a diffusor in the counter light emission window, while a chink is left free between the counter reflector and the diffusor, while the luminaire is further provided with mixing means which are positioned opposite the chink when viewed in a direction perpendicular to plane T.

2. A luminaire as claimed in claim 1, characterized in that the mixing means extend along the edge and from the edge over the chink.

3. A luminaire as claimed in claim 1 or 2, characterized in that the mixing means comprise a light-transmitting prism.

4. A luminaire as claimed in claim 3, characterized in that the prism has a base enclosing an angle α with the plane T of the counter light emission window, which angle α has a value in a range from 0 to 15°.

5. A luminaire as claimed in claim 3 or 4, characterized in that the prism has an apex angle β, which apex angle β has a value in a range from 80 to 100°.

6. A luminaire as claimed in claim 4 or 5, characterized in that the mixing means comprise a plurality of interconnected, partly overlapping prisms, each prism having a respective base which has substantially the same orientation as the bases of the other prisms.

7. A luminaire as claimed in any one of the preceding claims, characterized in that the diffusor is provided with transverse slots which extend in a direction transverse to a longitudinal direction of the diffusor.

8. A luminaire as claimed in claim 7, characterized in that the luminaire is provided with mixing means opposite the transverse slots, between the diffusor and the reflector.

9. A luminaire as claimed in any one of the preceding claims, characterized in that the diffusor is of convex shape where it faces the concave reflector, and the diffusor has an outer edge which is situated between a plane C through the contact means and the plane T.

10. A luminaire as claimed in claim 7, 8, or 9, characterized in that the diffusor has a V-shaped cross-section.

11. A luminaire as claimed in claim 10, characterized in that the diffusor has an apex with an apex angle γ, which angle γ has a value in a range from 120 to 160°.